POWDER COATING MATERIAL

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Abstract of **JP8199089**

PURPOSE: To obtain a powder coating material which can be applied thin and can form a baked coating film with sufficient antibacterial properties by incorporating a resin and fine inorg. particles contg. a component selected from among specific metals into the material. CONSTITUTION: This powder coating material comprises a resin and fine inorg. particles and has a volume-base median diameter of 5-20&mu m. The fine inorg. particles contain components selected form among silver, zinc, copper, and silver complexes and have an average particle size of 3&mu m or lower. Usually an antibacterial powder coating material contg. an org. antibacterial agent is used to obtain an antibacterial coated article; however, the function of the org. antibacterial agent is degraded at the baking step of 150-200 deg.C. Moreover, since such a conventional powder coating material has an average particle size of about 30&mu m, the thickness of the resulting backed coating film is 60&mu m or higher. The power coating material of the invention. contg. the fine inorg. particles as the antibacterial agent, forms a baked coating film with sufficient antibacterial properties, while being suitable for thin coating.

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